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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,279	04/13/2005	Takahisa Miyawaki	1000023-000075	5076
	7590 01/28/2008 INGERSOLL & ROON	EXAMINER		
POST OFFICE	BOX 1404	WU, SHEAN CHIU		
ALEXANDRIA, VA 22313-1404			ART UNIT	PAPER NUMBER
			1795	
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			NOTIFICATION DATE	DELIVERY MODE
	•		01/28/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com debra.hawkins@bipc.com

	Application No.	Applicant(s)				
	10/531,279	MIYAWAKI ET AL.				
Office Action Summary	Examiner	Art Unit				
•	Shean C. Wu	1795				
- The MAILING DATE of this communication a						
Period for Reply	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statuenty reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a nd will apply and will expire SIX (6) MO ute, cause the application to become a	ICATION. a reply be timely filed DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 13	April 2005.					
2a) This action is FINAL . 2b) ⊠ Th	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allow	•	• •				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 1-16 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-16 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.					
Application Papers						
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) acceptable and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examir 10.	ccepted or b) objected to e drawing(s) be held in abeya ection is required if the drawin	nnce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Bure: * See the attached detailed Office action for a list	nts have been received. nts have been received in a contract of the contract	Application No n received in this National Stage				
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/13/05 and 9/27/07.	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-3, 6-10 and 13-16 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 10-273,644.

The reference discloses a liquid crystal sealing composition comprising (a) liquid epoxy resin, (b) a curing agent consisting of novolak resin having a softening point of 75 0 C or less as determined by a ring and ball method, (c) a filler having a particle diameter of 10 µm or less and (d) a curing accelerator as essential ingredients, wherein a mixture of the components (a) and (b) is liquid or has a softening point of 50 0 C or less as determined by a ring and ball method. The reference example in section [044] discloses a sealing composition for liquid crystal panel comprises propylene glycol monoethyl ether

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acetate as solvent (boiling point of 170-250°C see JP 10-186637) carry out the heating dissolution of 100g of the liquefied <u>bisphenol A mold epoxy resins</u> of 185 and the 54g of the <u>phenol novolak resin</u> (as an epoxy resin or curing agent) whose softening temperature is 50 °C as a curing agent as example 1 epoxy resin, this resin solution -- as a bulking agent, particle size carried out <u>N-phenyl-γ-aminopropyl trimethoxysilane</u> 20g (as alkoxysilyl group), silica 32g (filler), particle size 0.5 micrometers or less (mean particle diameter of 0.5 micrometers or less), a coupling agent and a hardening accelerator.

The reference example (inherently) anticipates the claimed invention.

4. Claims 4-5 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 10-273,644 in view of Sato et al. (US 6,652,962).

The reference differs from the present invention in that the present invention comprises a heat latent epoxy curing agent, which has higher softening temperature.

Sato discloses a curing agent which has low activity at room temperature but induces curing upon being heated, namely a latent curing agent, is suitable to the curing of the epoxy resins. For example, <u>dicyandiamide</u>, <u>an imidazole</u>, <u>an aromatic amine</u>, <u>phenol novolak resin</u> or cresol novolak resin is used as the latent curing agent (col. 6, lines 1-17).

Because the heat latent epoxy curing agent is known in the art to improve the softening temperature, therefore, it would have been obvious to those skilled in the art to

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substitute the latent heat epoxy curing agent with higher softening temperature such as amine and imidazole type to arrive at the claimed invention.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shean C. Wu whose telephone number is 571-272-1393. The examiner can normally be reached on 10:30 AM to 7:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shean C Wu/ Shean C Wu Primary Examiner Art Unit 1795